12W Single Output Switching Power Supply LED DRIVER **FUSCV-12 SERIES**

Features :

- **Constant voltage mode** power supply
- Universal AC input / Full range
- Fully encapsulated with IP67 waterproof level
- Protections: Over current/ Over Voltage
- Small and compact size
- UL1310 Class 2 power unit
- 100% full load burn-in test
- Suitable for LED lighting and moving sign applications

SPECIFICATION:

MODEL		FUSCV-12-12WP	FUSCV-12-24WP
OUTPUT	DC VOLTAGE	12V	24V
	RATED CURRENT	1.0A	0.5A
	CURRENT RANGE	0～1.0A	0～0.5A
	RATED POWER	12W	
	RIPPLE & NOISE (max.)	200mVp-p	
	VOLTAGE TOLERANCE	±3.0%	
	LINE REGULATION	±1.0%	
	LOAD REGULATION	±2.0%	
	SETUP, RISE, HOLD UP TIME	500ms,250ms, 50ms/230VAC	
INPUT	VOLTAGE RANGE	90-264 VAC	
	FREQUENCY RANGE	47～63Hz	
	EFFICIENCY (Typ.)	77% full load	
	AC CURRENT	0.25A/100AC 0.12A/240VAC	
	INRUSH CURRENT (max.)	COLD STAT 30A/240VAC	
	LEAKAGE CURRENT	0.5mA/240VAC	
PROTECTION	OVER CURRENT	Above 110% ～180%rated output power or short circuit.	
		Protection type: Hiccup mode, recovers automatically after fault condition is removed.	
	OVER VOLTAGE	Above 13-20V	Above 25-36V
ENVIRONMENT	WORKING TEMP.	-10～50℃	
	WORKING HUMIDITY	20～90% RH non-condensing	
	STORAGE TEMP., HUMIDITY	-40～80℃, 10～95% RH	
	TEMP.COEFFICIENT	±0.03%/℃ (0～50℃)	
	VIBRATION	10～500Hz, 2G 10min./1cycle, period for 60min. each along X,Y, Z axes	
SAFETY & EMC	SAFETY STANDARDS	Design refer to UL1310 Class 2,TUV EN60950-1, EN61347-2-13, CAN/CSA C22.2 No. 223-M91, meet IP67	
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC	
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25 ～70% RH	
	EMI CONDUCTION&RADIATION	Compliance to EN55022 (CISPR22) Class B	
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3	
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, light industry level, criteria A	
DIMENSION		130*25*21mm (L*W*H)	

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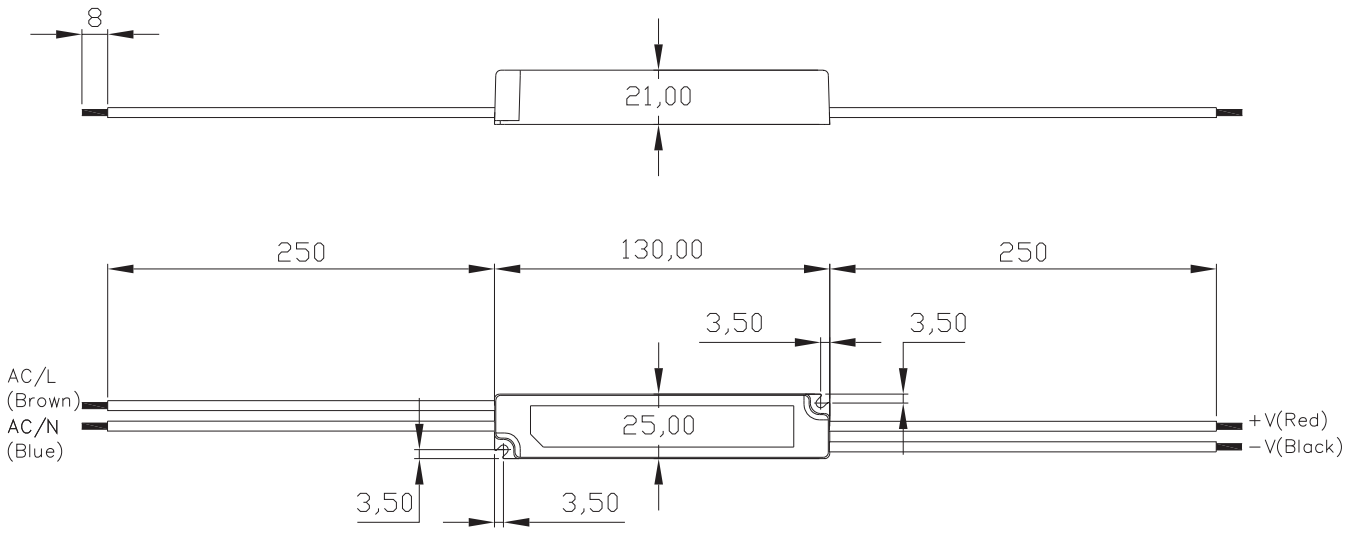
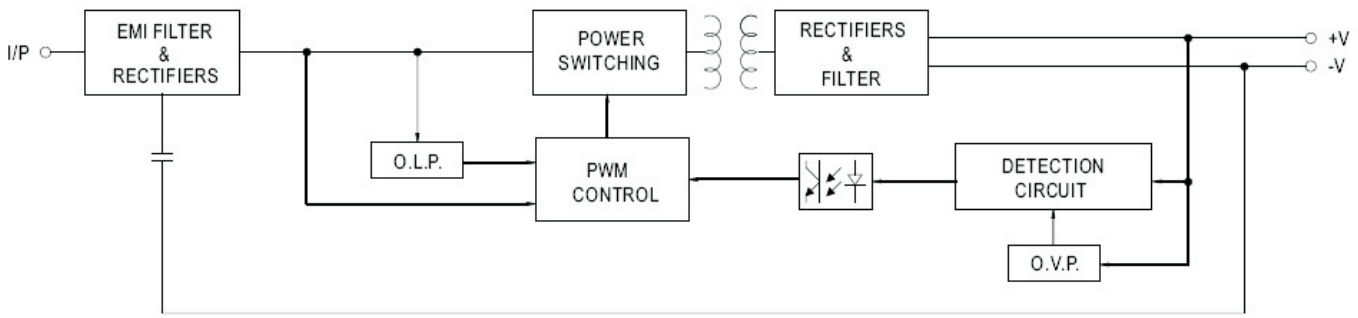
Mechanical Specification



Block Diagram



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